7ME3723-0AA02-1UA3-Z-7ME3723-0AA00-1UA3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	7me3723-0aa02-1ua3-z-7me3723-0aa00-1ua3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Clamp-On Ultrasonic Flowmeter
Brand	Siemens
Part Number	7ME3723-0AA02-1UA3-Z
Sensor Type	FSS200
Pipe Diameter Range	1200 to 9144 mm (48 to 360 inches)
Pipe Wall Thickness Range	11.2 to 15.7 mm (0.44 to 0.62 inches)
Temperature Range	-40°C to +121°C (-40°F to 250°F)
Enclosure Rating	IP67, NEMA 4X
Power Supply	24 to 240 V DC/AC (50/60Hz)
Cable Entries	9 cable entries with M20x1.5 threading count
Display Type	Illuminated display with sensor keys
Communication Protocol	HART

Description

The Siemens SITRANS FS230 Clamp-On Ultrasonic Flowmeter, model 7ME3723-0AA02-1UA3-Z, is engineered for precise flow measurement in industrial applications, including water supply, crude oil, petroleum products, and gas transport within pipelines.

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This device comprises the FST030 transmitter and FSS200 sensor, optimized for non-metallic pipes with an average medium temperature below 80°C (176°F). The sensor operates within a temperature range of -40°C to +121°C (-40°F to 250°F).

It accommodates pipe diameters from 1200 to 9144 mm (48 to 360 inches) and wall thicknesses between 11.2 and 15.7 mm (0.44 to 0.62 inches). The system features a dual-path configuration with two sensor pairs, housed in a standard wall-mounted enclosure made of epoxy-coated aluminum, ensuring IP67 and NEMA 4X protection.

It is powered by an internal universal power supply supporting 24 to 240 V DC/AC (50/60Hz) and offers nine cable entries with M20x1.5 threading. The illuminated display and sensor keys enhance user interaction.

This model is suitable for applications involving liquids, such as water, and supports HART communication protocol with 4-20mA active/passive outputs. Note that this version does not have EX approval.